

Martin Hersberger

List of Publications by Year in descending order

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109
papers

5,363
citations

87888

38
h-index

85541

71
g-index

111
all docs

111
docs citations

111
times ranked

8733
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut microbiome and circulating bacterial DNA (‘‘blood microbiome’’) in a mouse model of total parenteral nutrition: Evidence of two distinct separate microbiotic compartments. <i>Clinical Nutrition ESPEN</i> , 2022, 49, 278-288.	1.2	5
2	Lipid emulsion rich in n-3 polyunsaturated fatty acids elicits a pro-resolution lipid mediator profile in mouse tissues and in human immune cells. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 786-797.	4.7	9
3	Copeptin Release in Arterial Hypotension and Its Association with Severity of Disease in Critically Ill Children. <i>Children</i> , 2022, 9, 794.	1.5	3
4	Novel Strategies to Prevent Total Parenteral Nutrition-Induced Gut and Liver Inflammation, and Adverse Metabolic Outcomes. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1901270.	3.3	14
5	Nutritional Lipids and Mucosal Inflammation. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1901269.	3.3	20
6	Choice of Lipid Emulsion Determines Inflammation of the Gut-Liver Axis, Incretin Profile, and Insulin Signaling in a Murine Model of Total Parenteral Nutrition. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000412.	3.3	8
7	Diet and Inflammatory Bowel Disease: What Quality Standards Should Be Applied in Clinical and Laboratory Studies?. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000514.	3.3	4
8	Disentangling the Molecular Mechanisms of the Antidepressant Activity of Omega-3 Polyunsaturated Fatty Acid: A Comprehensive Review of the Literature. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4393.	4.1	26
9	Quantitative profiling of inflammatory and pro-resolving lipid mediators in human adolescents and mouse plasma using UHPLC-MS/MS. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1811-1823.	2.3	20
10	Cerebral perfusion in depression: Relationship to sex, dehydroepiandrosterone sulfate and depression severity. <i>NeuroImage: Clinical</i> , 2021, 32, 102840.	2.7	3
11	Resolvin D1 reduces inflammation in co-cultures of primary human macrophages and adipocytes by triggering macrophages. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 174, 102363.	2.2	7
12	Using the hemolysis index of Abbott’s Alinity c for the measurement of plasma free hemoglobin in ECMO patients. <i>Clinical Biochemistry</i> , 2021, , .	1.9	5
13	Lipid Emulsion Containing High Amounts of n3 Fatty Acids (Omegaven) as Opposed to n6 Fatty Acids (Intralipid) Preserves Insulin Signaling and Glucose Uptake in Perfused Rat Hearts. <i>Anesthesia and Analgesia</i> , 2020, 130, 37-48.	2.2	5
14	Verbal Memory Performance in Depressed Children and Adolescents: Associations with EPA but Not DHA and Depression Severity. <i>Nutrients</i> , 2020, 12, 3630.	4.1	7
15	Diabetic Rat Hearts Show More Favorable Metabolic Adaptation to Omegaven Containing High Amounts of n3 Fatty Acids Than Intralipid Containing n6 Fatty Acids. <i>Anesthesia and Analgesia</i> , 2020, 131, 943-954.	2.2	1
16	LC-MS / MS method for the differential diagnosis of treatable early onset inherited metabolic epilepsies. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1102-1111.	3.6	8
17	Polymorphisms of SOCS-1 Are Associated With a Rapid HIV Progression Rate. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 84, 189-195.	2.1	4
18	Efficacy of intramuscular hydroxocobalamin supplementation in cats with cobalamin deficiency and gastrointestinal disease. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 1872-1878.	1.6	5

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19	Validation of a Food Frequency Questionnaire to Assess Intake of n-3 Polyunsaturated Fatty Acids in Switzerland. <i>Nutrients</i> , 2019, 11, 1863.	4.1	18
20	The EB12-oxysterol axis promotes the development of intestinal lymphoid structures and colitis. <i>Mucosal Immunology</i> , 2019, 12, 733-745.	6.0	40
21	Daily oral cyanocobalamin supplementation in Beagles with hereditary cobalamin malabsorption (Imerslund-Gräsbeck syndrome) maintains normal clinical and cellular cobalamin status. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 751-757.	1.6	9
22	Alterations in fatty acid metabolism and sirtuin signaling characterize early type-2 diabetic hearts of fructose-fed rats. <i>Physiological Reports</i> , 2017, 5, e13388.	1.7	27
23	Clinical phenotype, biochemical profile, and treatment in 19 patients with arginase 1 deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 331-340.	3.6	27
24	The value of plasma vitamin B ₆ profiles in early onset epileptic encephalopathies. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 733-741.	3.6	19
25	Resolvin D1 Polarizes Primary Human Macrophages toward a Proresolution Phenotype through GPR32. <i>Journal of Immunology</i> , 2016, 196, 3429-3437.	0.8	85
26	Diagnostic performance of S100B protein serum measurement in detecting intracranial injury in children with mild head trauma. <i>Emergency Medicine Journal</i> , 2016, 33, 42-46.	1.0	23
27	Effects of Steroid Hormones on Sex Differences in Cerebral Perfusion. <i>PLoS ONE</i> , 2015, 10, e0135827.	2.5	23
28	Letter to the Editor. <i>Gene</i> , 2015, 558, 299.	2.2	3
29	ChemR23, the Receptor for Chemerin and Resolvin E1, Is Expressed and Functional on M1 but Not on M2 Macrophages. <i>Journal of Immunology</i> , 2015, 194, 2330-2337.	0.8	132
30	LC-MS/MS based assay and reference intervals in children and adolescents for oxysterols elevated in Niemann-Pick diseases. <i>Clinical Biochemistry</i> , 2015, 48, 596-602.	1.9	50
31	Propofol (Diprivan®) and Intralipid® Exacerbate Insulin Resistance in Type-2 Diabetic Hearts by Impairing GLUT4 Trafficking. <i>Anesthesia and Analgesia</i> , 2015, 120, 329-340.	2.2	14
32	The Mechanism of Intralipid®-Mediated Cardioprotection Complex IV Inhibition by the Active Metabolite, Palmitoylcarnitine, Generates Reactive Oxygen Species and Activates Reperfusion Injury Salvage Kinases. <i>PLoS ONE</i> , 2014, 9, e87205.	2.5	52
33	Loss of Intralipid®- but Not Sevoflurane-Mediated Cardioprotection in Early Type-2 Diabetic Hearts of Fructose-Fed Rats: Importance of ROS Signaling. <i>PLoS ONE</i> , 2014, 9, e104971.	2.5	10
34	Sugar-Sweetened Beverages With Moderate Amounts of Fructose, but Not Sucrose, Induce Fatty Acid Synthesis in Healthy Young Men: A Randomized Crossover Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2164-2172.	3.6	23
35	Antioxidant Supplements Reduced Oxidative Stress and Stabilized Liver Function Tests but Did Not Reduce Inflammation in a Randomized Controlled Trial in Obese Children and Adolescents. <i>Journal of Nutrition</i> , 2014, 144, 193-201.	2.9	65
36	G-Protein Receptor Kinase 4 Polymorphism and Response to Antihypertensive Therapy. <i>Clinical Chemistry</i> , 2014, 60, 1543-1548.	3.2	12

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37	Clinical Criteria Replenish High-Sensitive Troponin and Inflammatory Markers in the Stratification of Patients with Suspected Acute Coronary Syndrome. <i>PLoS ONE</i> , 2014, 9, e98626.	2.5	10
38	Low dose aspirin is associated with plasma chemerin levels and may reduce adipose tissue inflammation. <i>Atherosclerosis</i> , 2014, 235, 256-262.	0.8	34
39	Early mitochondrial dysfunction in glycolytic muscle, but not oxidative muscle, of the fructose-fed insulin-resistant rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E658-E667.	3.5	43
40	Association of polymorphisms in the ALOX15B gene with coronary artery disease. <i>Clinical Biochemistry</i> , 2014, 47, 349-355.	1.9	13
41	High levels of anti-inflammatory and pro-resolving lipid mediators lipoxins and resolvins and declining docosahexaenoic acid levels in human milk during the first month of lactation. <i>Lipids in Health and Disease</i> , 2013, 12, 89.	3.0	114
42	Fatty acid-induced mitochondrial uncoupling elicits inflammasome-independent IL-1 β and sterile vascular inflammation in atherosclerosis. <i>Nature Immunology</i> , 2013, 14, 1045-1053.	14.5	283
43	A VLP-based vaccine against interleukin-1 β protects mice from atherosclerosis. <i>European Journal of Immunology</i> , 2013, 43, 716-722.	2.9	30
44	Infarct-remodelled hearts with limited oxidative capacity boost fatty acid oxidation after conditioning against ischaemia/reperfusion injury. <i>Cardiovascular Research</i> , 2013, 97, 251-261.	3.8	26
45	Characterization of the Promoter and the Transcriptional Regulation of the Lipoxin A4 Receptor (FPR2/ALX) Gene in Human Monocytes and Macrophages. <i>Journal of Immunology</i> , 2012, 188, 1856-1867.	0.8	33
46	Lower Plasma Dehydroepiandrosterone Concentration in the Long Term after Severe Accidental Injury. <i>Psychotherapy and Psychosomatics</i> , 2012, 81, 121-123.	8.8	1
47	No evidence for the involvement of the lipoxin A4 receptor (FPR2/ALX) gene in the susceptibility to coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 177-9.	2.3	1
48	Expression and regulation of 12/15-lipoxygenases in human primary macrophages. <i>Atherosclerosis</i> , 2012, 225, 121-127.	0.8	58
49	Regulation of the Formyl Peptide Receptor 1 (FPR1) Gene in Primary Human Macrophages. <i>PLoS ONE</i> , 2012, 7, e50195.	2.5	36
50	Plasma B-type natriuretic peptide levels in children with heart disease. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2011, 100, 1213-1216.	1.5	22
51	Nrf2 is essential for cholesterol crystal-induced inflammasome activation and exacerbation of atherosclerosis. <i>European Journal of Immunology</i> , 2011, 41, 2040-2051.	2.9	255
52	Dyslipidemias in children and adolescents. <i>Clinical Biochemistry</i> , 2011, 44, 507-508.	1.9	2
53	Toll-like receptor 4 gene polymorphism modulates phenotypic expression in patients with hereditary hemochromatosis. <i>European Journal of Gastroenterology and Hepatology</i> , 2010, 22, 835-841.	1.6	10
54	Genetic Polymorphisms of the Serotonin Transporter, but Not the 2a Receptor or Nitric Oxide Synthetase, Are Associated with Pulmonary Hypertension in Chronic Obstructive Pulmonary Disease. <i>Respiration</i> , 2010, 79, 288-295.	2.6	39

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55	Excessive Daytime Sleepiness in Behçet's Disease with Diencephalic Lesions and Hypocretin Dysfunction. <i>European Neurology</i> , 2010, 63, 190-190.	1.4	5
56	Potential role of the lipoxygenase derived lipid mediators in atherosclerosis: leukotrienes, lipoxins and resolvins. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1063-1073.	2.3	68
57	Sequence Variants in <i>BMP2</i> and Genes Involved in the Serotonin and Nitric Oxide Pathways in Idiopathic Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension: Relation to Clinical Parameters and Comparison with Left Heart Disease. <i>Respiration</i> , 2010, 79, 279-287.	2.6	27
58	Serum Creatinine, Cystatin C, and ß-Trace Protein in Diagnostic Staging and Predicting Progression of Primary Nondiabetic Chronic Kidney Disease. <i>Clinical Chemistry</i> , 2010, 56, 740-749.	3.2	97
59	Pregnancy-associated plasma protein-A is an independent short-time predictor of mortality in patients on maintenance haemodialysis. <i>European Heart Journal</i> , 2010, 31, 354-359.	2.2	30
60	Association of STR polymorphisms in CMA1 and IL-4 with asthma and atopy: The SAPALDIA Cohort. <i>Human Immunology</i> , 2010, 71, 1154-1160.	2.4	9
61	Deoxysphingoid bases as plasma markers in Diabetes mellitus. <i>Lipids in Health and Disease</i> , 2010, 9, 84.	3.0	108
62	Metabolic Profiling of Hearts Exposed to Sevoflurane and Propofol Reveals Distinct Regulation of Fatty Acid and Glucose Oxidation. <i>Anesthesiology</i> , 2010, 113, 541-551.	2.5	28
63	Milder forms of atherogenic dyslipidemia in ovulatory versus anovulatory polycystic ovary syndrome phenotype. <i>Human Reproduction</i> , 2009, 24, 2286-2292.	0.9	80
64	Increased T-bet to GATA-3 Ratio During Acute Allograft Rejection in the Rat Lung. <i>Transplantation Proceedings</i> , 2009, 41, 4316-4320.	0.6	7
65	No association of two functional polymorphisms in human ALOX15 with myocardial infarction. <i>Atherosclerosis</i> , 2009, 205, 192-196.	0.8	16
66	Pancreatic stone protein is highly increased during posttraumatic sepsis and activates neutrophil granulocytes*. <i>Critical Care Medicine</i> , 2009, 37, 1642-1648.	0.9	196
67	Bone Mineral Density and Secondary Hyperparathyroidism in Pulmonary Hypertension. <i>Open Respiratory Medicine Journal</i> , 2009, 3, 53-60.	0.4	18
68	Lipoproteins. , 2008, , 497-548.		0
69	Genetic deletion of p66 ^{Shc} adaptor protein prevents hyperglycemia-induced endothelial dysfunction and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5217-5222.	7.1	229
70	Myeloid-related protein 8/14 complex is released by monocytes and granulocytes at the site of coronary occlusion: a novel, early, and sensitive marker of acute coronary syndromes. <i>European Heart Journal</i> , 2007, 28, 941-948.	2.2	178
71	B-Type Natriuretic Peptide Concentrations Predict the Progression of Nondiabetic Chronic Kidney Disease: The Mild-to-Moderate Kidney Disease Study. <i>Clinical Chemistry</i> , 2007, 53, 1264-1272.	3.2	111
72	Polymorphisms in Toll-like receptor 9 influence the clinical course of HIV-1 infection. <i>Aids</i> , 2007, 21, 441-446.	2.2	139

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73	The c.â€“292C>T promoter polymorphism increases reticulocyte-type 15-lipoxygenase-1 activity and could be atheroprotective. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 487-92.	2.3	36
74	Adrenergic Receptor Genotype but Not Perioperative Bisoprolol Therapy May Determine Cardiovascular Outcome in At-risk Patients Undergoing Surgery with Spinal Block. <i>Anesthesiology</i> , 2007, 107, 33-44.	2.5	114
75	Gene Regulatory Control of Myocardial Energy Metabolism Predicts Postoperative Cardiac Function in Patients Undergoing Off-pump Coronary Artery Bypass Graft Surgery. <i>Anesthesiology</i> , 2007, 106, 444-457.	2.5	87
76	The two faces of the 15-lipoxygenase in atherosclerosis. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007, 77, 67-77.	2.2	142
77	Urinary Catecholamine and Metanephrine to Creatinine Ratios in Healthy Dogs at Home and in a Hospital Environment and in 2 Dogs with Pheochromocytoma. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 388-393.	1.6	44
78	Extralymphatic virus sanctuaries as a consequence of potent T-cell activation. <i>Nature Medicine</i> , 2007, 13, 1316-1323.	30.7	54
79	Serological and DNA-based evaluation of <i>Chlamydia pneumoniae</i> infection in inflammatory bowel disease. <i>European Journal of Gastroenterology and Hepatology</i> , 2006, 18, 889-894.	1.6	16
80	Hypocretin-1 (orexin A) levels are normal in Huntingtonâ€™s disease. <i>Journal of Neurology</i> , 2006, 253, 1232-1233.	3.6	42
81	CSF prostaglandin D synthase is reduced in excessive daytime sleepiness. <i>Journal of Neurology</i> , 2006, 253, 1030-1033.	3.6	19
82	Functional polymorphism in ALOX15 results in increased allele-specific transcription in macrophages through binding of the transcription factor SPI1. <i>Human Mutation</i> , 2006, 27, 78-87.	2.5	45
83	Ethnicity-dependent genetic association of ABCA2 with sporadic Alzheimer's disease. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2006, 141B, 534-536.	1.7	53
84	Increased Balloon-Induced Inflammation, Proliferation, and Neointima Formation in Apolipoprotein E () Tj ETQq0 0 Q,rgBT /Overlock 10 T	2.6	35
85	Effective control of persistent hyperparathyroidism with cinacalcet in renal allograft recipients. <i>Nephrology Dialysis Transplantation</i> , 2006, 22, 577-583.	0.7	82
86	Tumor Necrosis Factor-Î± 308>A Allelic Variant Modulates Iron Accumulation in Patients with Hereditary Hemochromatosis. <i>Clinical Chemistry</i> , 2006, 52, 1552-1558.	3.2	19
87	Current understanding of the metabolism and biological actions of HDL. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2005, 8, 147-152.	2.5	129
88	Inflammatory Markers at the Site of Ruptured Plaque in Acute Myocardial Infarction. <i>Circulation</i> , 2005, 111, 1355-1361.	1.6	255
89	The Asp298 but not the C-786 genotype of the endothelial nitric oxide synthase is reduced with age in healthy Swiss men. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 971-3.	2.3	4
90	The CAG Repeat Polymorphism in the Androgen Receptor Gene Is Associated with HDL-Cholesterol but Not with Coronary Atherosclerosis or Myocardial Infarction. <i>Clinical Chemistry</i> , 2005, 51, 1110-1115.	3.2	36

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91	No evidence for involvement of the human inducible nitric oxide synthase gene in susceptibility to coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 253-5.	2.3	3
92	Requirement of JNK2 for Scavenger Receptor A-Mediated Foam Cell Formation in Atherogenesis. <i>Science</i> , 2004, 306, 1558-1561.	12.6	259
93	HIV-specific Cellular Immune Response Is Inversely Correlated with Disease Progression as Defined by Decline of CD4+T Cells in Relation to HIV RNA Load. <i>Journal of Infectious Diseases</i> , 2004, 189, 1199-1208.	4.0	26
94	Detection of the Arg702Trp, Gly908Arg and Leu1007fsinsC polymorphisms of the NOD2/CARD15 gene by real-time PCR with melting curve analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004, 42, 494-8.	2.3	11
95	Influence of Practicable Virus Inactivation Procedures on Tests for Frequently Measured Analytes in Plasma. <i>Clinical Chemistry</i> , 2004, 50, 944-946.	3.2	19
96	Deliberate removal of T cell help improves virus-neutralizing antibody production. <i>Nature Immunology</i> , 2004, 5, 934-942.	14.5	85
97	False-Positive Human Serum Chorionic Gonadotropin in a Patient with a History of Germ Cell Cancer. <i>Oncology</i> , 2004, 66, 336-338.	1.9	14
98	High density lipoproteins in the intersection of diabetes mellitus, inflammation and cardiovascular disease. <i>Current Opinion in Lipidology</i> , 2004, 15, 269-278.	2.7	153
99	Low High-Density Lipoprotein Cholesterol. <i>Drugs</i> , 2003, 63, 1907-1945.	10.9	59
100	Detection of a Novel Exon 4 Low-Density Lipoprotein Receptor Gene Deletion in a Swiss Family with Severe Familial Hypercholesterolemia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003, 41, 266-71.	2.3	8
101	Regulatable liver expression of the rabbit apolipoprotein B mRNA-editing enzyme catalytic polypeptide 1 (APOBEC-1) in mice lacking endogenous APOBEC-1 leads to aberrant hyperediting. <i>Biochemical Journal</i> , 2003, 369, 255-262.	3.7	19
102	Single-Step Assays to Analyze CYP2D6 Gene Polymorphisms in Asians: Allele Frequencies and a Novel *14B Allele in Mainland Chinese. <i>Clinical Chemistry</i> , 2002, 48, 983-988.	3.2	89
103	Rapid detection of the CCR2-V64I, CCR5-A59029G and SDF1-G801A polymorphisms by tetra-primer PCR. <i>Clinical Biochemistry</i> , 2002, 35, 399-403.	1.9	10
104	Two Single-Tube Tetra-Primer Assays to Detect the CYP2C19*2 and *3 Alleles of S-Mephenytoin Hydroxylase. <i>Clinical Chemistry</i> , 2001, 47, 772-774.	3.2	13
105	A dinucleotide deletion in amyloid precursor protein (APP) mRNA associated with sporadic Alzheimer's disease results in efficient secretion of truncated APP isoforms from neuroblastoma cell cultures. <i>Journal of Neurochemistry</i> , 2001, 76, 1308-1314.	3.9	5
106	Rapid Detection of the CYP2D6*3, CYP2D6*4, and CYP2D6*6 Alleles by Tetra-Primer PCR and of the CYP2D6*5 Allele by Multiplex Long PCR. <i>Clinical Chemistry</i> , 2000, 46, 1072-1077.	3.2	143
107	Phylogenetic Analysis of the Apolipoprotein B mRNA-editing Region. <i>Journal of Biological Chemistry</i> , 1999, 274, 34590-34597.	3.4	43
108	Two Efficiency Elements Flanking the Editing Site of Cytidine 6666 in the Apolipoprotein B mRNA Support Mooring-dependent Editing. <i>Journal of Biological Chemistry</i> , 1998, 273, 9435-9442.	3.4	45

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109	A plasmid rescue to investigate mutagenesis in transgenic <i>D. melanogaster</i> . <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1996, 361, 165-172.	0.4	3